

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/US2004/027187

A. CLASSIFICATION OF SUBJECT MATTER  
 IPC 7 A61K38/27 A61P19/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
 IPC 7 A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, MEDLINE, EMBASE, BIOSIS

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages   | Relevant to claim No. |
|------------|--|-----------------------|
| X          | WO 02/101002 A (GENODYSSEE; ESCARY, JEAN-LOUIS) 19 December 2002 (2002-12-19)<br>page 14, lines 25-28; claims 41,40,26;<br>sequence 13                   | 1-21                  |
| X          | US 6 399 565 B1 (ASADA NORIAKI ET AL)<br>4 June 2002 (2002-06-04)<br>cited in the application<br>column 4, lines 30-43; claim 1<br>column 2, lines 54-60 | 1-21                  |
| Y          | US 6 417 237 B1 (DADEY ERIC J ET AL)<br>9 July 2002 (2002-07-09)<br>column 6, lines 19-40,58<br>abstract   | 1-21                  |
|            | -----<br>-/-   |                       |

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

8 February 2005

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages  | Relevant to claim No. |
|------------|---|-----------------------|
| Y          | EP 0 916 345 A (SUMITOMO PHARMACEUTICALS COMPANY, LIMITED) 19 May 1999 (1999-05-19)<br>claim 1<br>abstract  | 1-21                  |
| A          | -----<br>BOGUSZEWSKI C L ET AL: "Cloning of two novel growth hormone transcripts expressed in human placenta"<br>JOURNAL OF CLINICAL ENDOCRINOLOGY AND METABOLISM, NEW YORK, NY, US,<br>vol. 83, no. 8, August 1998 (1998-08),<br>pages 2878-2885, XP002284559<br>ISSN: 0021-972X<br>abstract |                       |
| A          | -----<br>EP 0 587 427 A (MITSUI TOATSU CHEMICALS, INC) 16 March 1994 (1994-03-16)<br>pages 12-13<br>abstract<br>-----   |                       |

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| Patent document<br>cited in search report |    | Publication<br>date | Patent family<br>member(s)   | Publication<br>date  |
|---|----|---------------------|--|--|
| WO 02101002                               | A  | 19-12-2002          | EP 1295938 A1<br>WO 02101002 A2  | 26-03-2003<br>19-12-2002   |
| US 6399565                                | B1 | 04-06-2002          | CN 1145808 A<br>EP 0753307 A2<br>JP 9216832 A<br>NZ 286884 A<br>AU 680792 B2<br>AU 5625596 A   | 26-03-1997<br>15-01-1997<br>19-08-1997<br>19-12-1997<br>07-08-1997<br>16-01-1997                             |
| US 6417237                                | B1 | 09-07-2002          | AU 6327701 A<br>BR 0111506 A<br>CA 2409268 A1<br>CN 1441666 T<br>EP 1286659 A2<br>JP 2003535149 T<br>WO 0193911 A2<br>ZA 200209229 A | 17-12-2001<br>24-06-2003<br>13-12-2001<br>10-09-2003<br>05-03-2003<br>25-11-2003<br>13-12-2001<br>07-08-2003 |
| EP 0916345                                | A  | 19-05-1999          | AU 3357997 A<br>EP 0916345 A1<br>US 6225283 B1<br>CA 2260148 A1<br>WO 9801152 A1   | 02-02-1998<br>19-05-1999<br>01-05-2001<br>15-01-1998<br>15-01-1998   |
| EP 0587427                                | A  | 16-03-1994          | DE 69318909 D1<br>DE 69318909 T2<br>EP 0587427 A1<br>JP 3398427 B2<br>JP 6269292 A<br>US 5496713 A                                   | 09-07-1998<br>24-12-1998<br>16-03-1994<br>21-04-2003<br>27-09-1994<br>05-03-1996                             |